

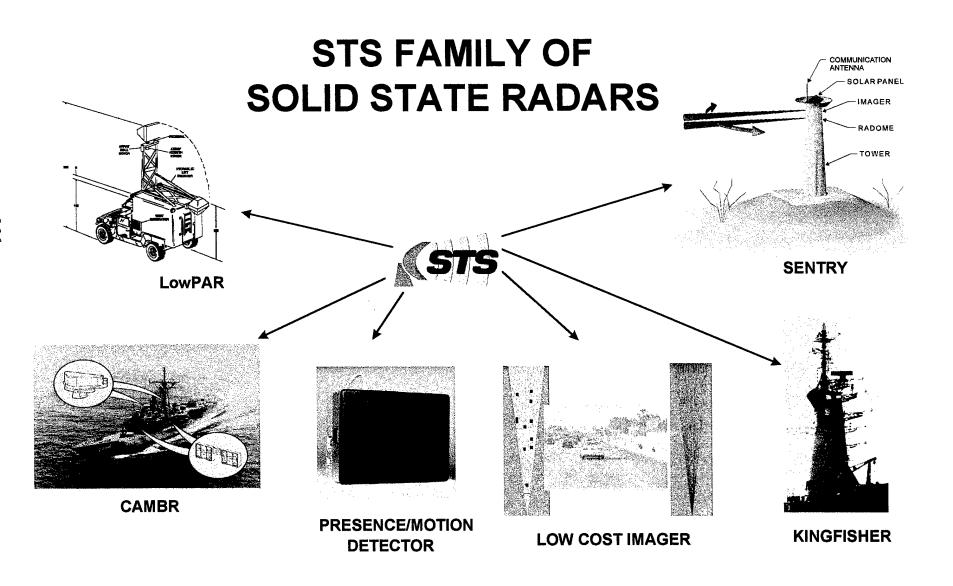
7655 EAST REDFIELD ROAD, SUITE 10 SCOTTSDALE, ARIZONA 85260, USA (602) 483-1997 (602) 483-2011 FAX www.sensor-tech.com



- HEADQUARTERS:
 - ♦ 7655 EAST REDFIELD ROAD, SCOTTSDALE, ARIZONA 85260
- CAPABILITIES:
 - ♦ SPECIFICATION, DESIGN, FABRICATION & TEST
 - RADAR AND RF SYSTEMS AND SUBSYSTEMS
 - ACTIVE AND PASSIVE MISSILE SEEKERS
 - SURVEILLANCE AND TARGETING SYSTEMS
 - SIGNAL PROCESSORS
 - ♦ MODELING AND SIMULATION
 - RADAR SYSTEMS
 - INTELLIGENT TRANSPORTATION SYSTEMS
 - MISSILE GUIDANCE SYSTEMS
 - GIMBALS / ANTENNAS
 - 6-DOF (GLINT/CLUTTER/MULTIPATH)
 - ◆ FIELD AND CAPTIVE FLIGHT TESTING
- CERTIFICATIONS:
 - ◆ DCAA AUDITED RATES
 - ◆ DCAA ACCOUNTING SYSTEM
 - **♦ SECRET FACILITY AND PERSONNEL CLEARANCES**









THE SENTRY SYSTEM

- PROVIDES BOTH WIDE AREA AND HIGH RESOLUTION SURVEILLANCE FOR BORDER SECURITY AND FORCE PROTECTION
- COMBINATION OF LOW COST RADAR AND IMAGING SENSORS
 - **♦ RADAR PROVIDES INITIAL MOTION DETECTION**
 - **◆ IMAGER ELIMINATES FALSE ALARMS FROM ANIMALS**
- SENSED ACTIVITY DATA (RADAR AND VIDEO) TRANSMITTED TO COMMAND POST FOR VERIFICATION AND RESPONSE DECISION
- BOTH FIXED AND MOBILE SITES
 - ◆ FIXED SITES HARDENED AND SOLAR POWERED
 - ♦ MOBILE SITES CAN SERVE AS MINI COMMAND POSTS
- OVERLAPPING NETWORK PROVIDES CONTINUOUS COVERAGE
- SAME BASIC UNIT FOR SITE SECURITY, BORDER, PERIMETER AND COASTLINE SURVEILLANCE



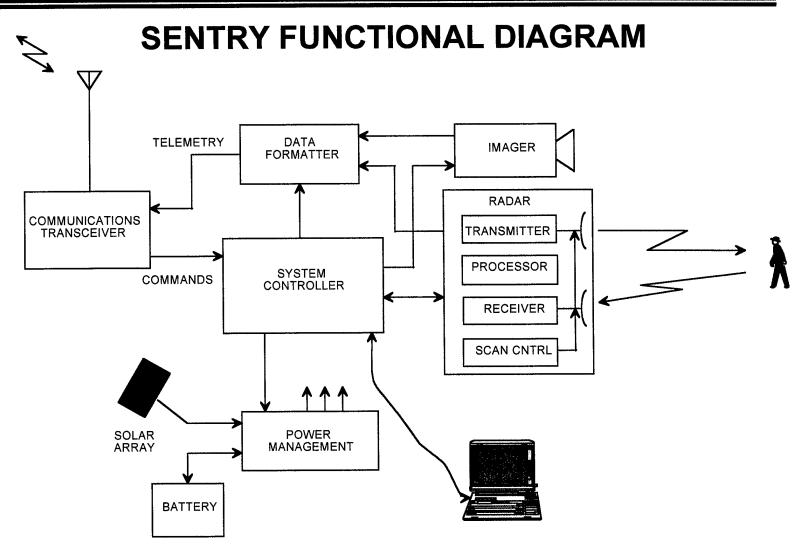


ADVANTAGES OF ADDING RADAR TO IMAGING SYSTEMS

- AUTOMATIC MOTION DETECTION
- SIMPLE WIDE AREA SURVEILLANCE TARGET RANGE
- MULTIPLY MANPOWER EFFECTIVENESS
- ALL WEATHER, ALL LIGHT LEVEL DETECTION
- NO NEED TO TRANSMIT DATA UNTIL MOTION DETECTED
- INCREASED COVERAGE CAN REDUCE NUMBER OF SITES





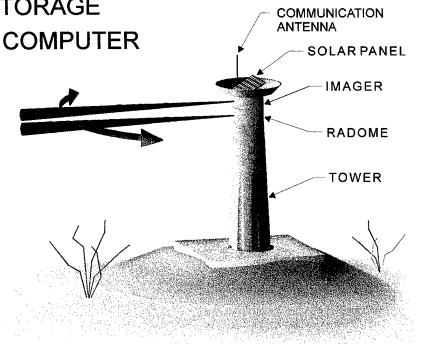






FIXED SITE

- SELF-CONTAINED SITE--CONCRETE PAD
- VARIABLE HEIGHT DEPENDING ON TERRAIN, VEGETATION AND OBSTRUCTIONS
- ALL WEATHER, DAY/NIGHT OPERATION
- SOLAR POWERED WITH BATTERY STORAGE
- LOCALLY ACCESSED WITH LAPTOP COMPUTER
- REMOTELY ACCESSED FROM COMMAND POST, MOBILE SENTRY OR PATROL VEHICLE
- TWO WAY COMMUNICATION
 - ◆ RADAR/VIDEO AND SELF-TEST DATA OUT
 - ◆ COMMANDS FOR SPECIAL REQUEST DATA IN



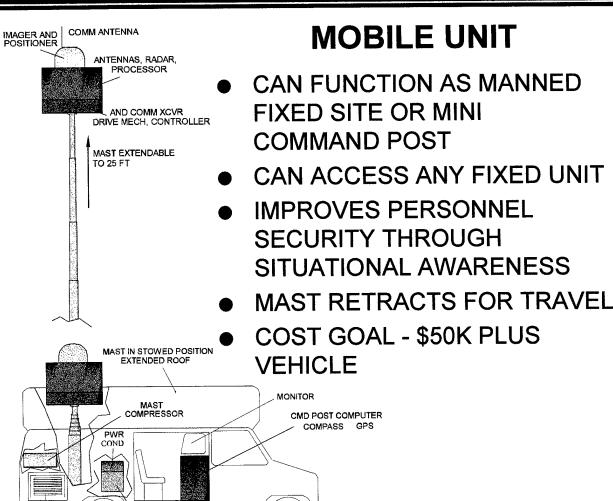


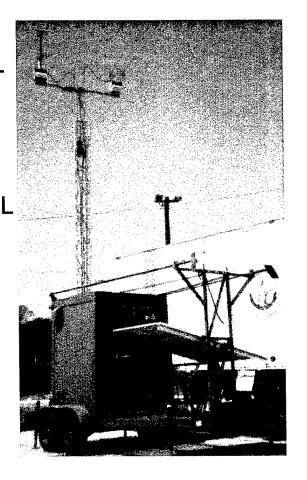
GENERATOR

AND INVERTER

BATTERIES









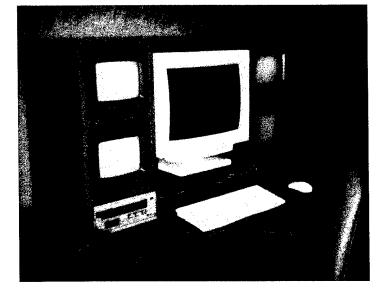


COMMAND POST

- AUTOMATIC COLLECTION / INTERPRETATION / PRESENTATION OF REMOTE SENSOR DATA
- GENERATES BOTH AREA OVERVIEW AND SITE-SPECIFIC DATA
- PRESENTS RADAR DATA ON AREA TOPOGRAPHY MAP
- PRESENTS VIDEO DATA FOR IDENTIFICATION
- OPERATOR CONTROL OF SITE AND DATA SELECTION AND

PRESENTATION FORMAT

 SITE HEAVILY FILTERS DATA FOR REDUCED COMMAND POST MANPOWER







RADAR SENSOR

- DETECTS PERSONNEL, VEHICLES, LOW FLYING AIRCRAFT
- FMCW RADAR PROVIDES ADEQUATE PERFORMANCE AT LOW COST
- SEPARATE TRANSMIT AND RECEIVE ANTENNAS EXTENDS DETECTION RANGES
- LOW POWER SAFE
- SPECIFICATIONS

TARGET

PERSONNEL (1/2m²) 6.5 Km

JEEP (10m²) 13.5 Km

TRUCK (100m²) 24 Km

AIRCRAFT (10m²) 13.5 Km

COVERAGE

AZIMUTH 360 DEGREES OR SECTOR

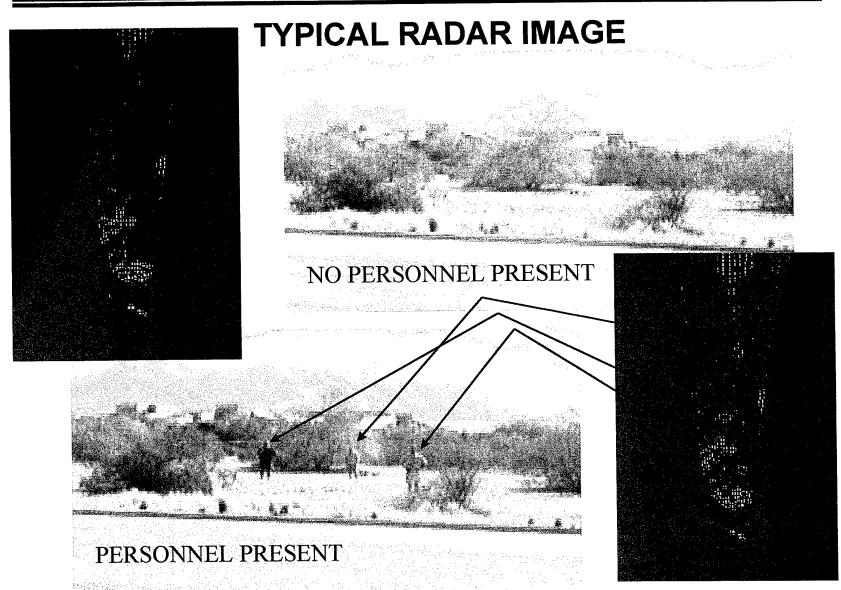
ELEVATION ± 15 DEGREES

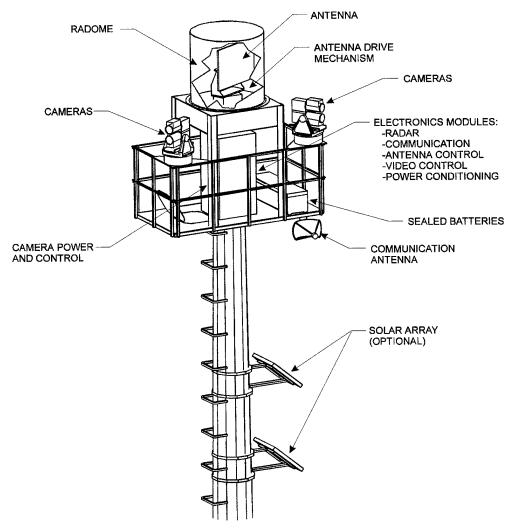
ANGULAR RESOLUTION 1.5 DEGREES

REVISIT TIME 10 SECONDS (FULL 360° SCAN)







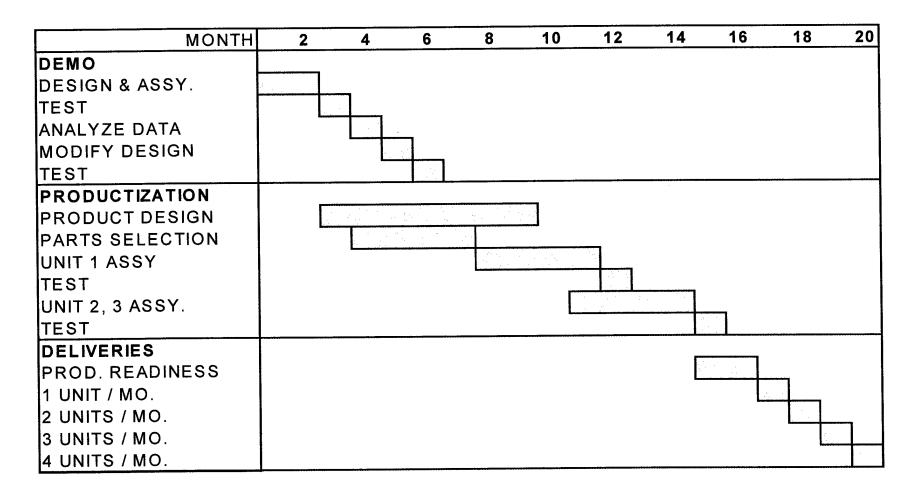


TYPICAL SENTRY INSTALLATION





SCHEDULE







OTHER APPLICATIONS OF SENTRY TECHNOLOGY

- FORCE PROTECTION
- SHORELINE / HARBOR SURVEILLANCE
- PRISON SURVEILLANCE
- MOBILE UNIT FOR INLAND SEARCH MISSION
- COMMERCIAL HIGH VALUE SITE PROTECTION





SUMMARY

- SENTRY PROVIDES HIGH RESOLUTION, LOW FALSE ALARM REMOTE SURVEILLANCE
- AUTOMATIC SENSING, MAN-IN-THE-LOOP RESPONSE DETECTION
- FLEXIBLE POINT SENSOR OR OVERLAPPING NETWORK
- FIXED AND MOBILE CONFIGURATIONS
- REDUCES SURVEILLANCE MANPOWER
- PROVIDES 24 HOUR, DAY/NIGHT, ALL WEATHER SITUATIONAL AWARENESS
- AFFORDABLE